PTO/SB/05 (08-03) (
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UTILITY PATENT APPLICATION **TRANSMITTAL**

Attorney Docket No.	1875.1060002	
First Inventor	Ka Lun Choi	
Title	See 1 in Addendum	
Express Mail Label No.		· · · · ·

(Only for new nonprovisional applications under 37 CFR 1.53(b))

	Express Mail Label No.				
APPLICATION ELEMENTS See MPEP chapter 600 concerning utility patent application contents.	ADDRESS TO: Mail Stop Patent Application Commissioner for Patents P.O. Box 1450 Alexandria VA 22313-1450				
1. X Fee Transmittal Form (e.g., PTO/SB/17) (Submit an original and a duplicate for fee processing) Applicant claims small entity status. See 37 CFR 1.27. 3. X Specification [Total Pages 25] (preferred arrangement set forth below) - Descriptive title of the invention - Cross Reference to Related Applications - Statement Regarding Fed sponsored R & D - Reference to sequence listing, a table, or a computer program listing appendix - Background of the Invention - Brief Summary of the Invention - Brief Description of the Drawings (if filed) - Detailed Description - Claim(s) - Abstract of the Disclosure 4. X Drawing(s) (35 U.S.C. 113) [Total Sheets 8] 5. Oath or Declaration [Total Sheets 2] a. Newly executed (original or copy) b. X Copy from a prior application (37 CFR 1.63(d)) (for continuation/divisional with Box 18 completed) i. DELETION OF INVENTOR(S) Signed statement attached deleting inventor(s) name in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b). 6. X Application Data Sheet. See 37 CFR 1.76					
	17. X Other: Authorization under 37CFR 1.136(a)(3) The name of the assignee is: Broadcom Corporation				
18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in the first sentence of the specification following the title, or in an Application Data Sheet under 37 CFR 1.76:					
, , , , , , , , , , , , , , , , , , , ,					
	X Continuation Divisional Continuation-in-part (CIP) of prior application No.: 09/956,114				
Prior application information: Examiner Kenneth B. Wells Art Unit: 2816 For CONTINUATION OF DIVISIONAL APPS only; The entire disclosure of the prior application, from which an oath or declaration is supplied under Box					
Sb, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.					
19. CORRESPONDENCE ADDRESS					
X Customer Number: 26111	OR Correspondence address below				
Name Sterne, Kessler, Goldstein & Fox P.L.L.C.					
Address					
City	State Zip Code				
Country	Telephone Fax				
Name (Print/Type) Jason D. Eisenberg Registration No. (Attorney/Agent) 43,447					
Signature Date 2/20/04					

This collection of information is required by 37 CFR 1.53(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

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Effective 10/01/2003. Patent fees are subject to annual revision.

Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (

\$)	896.	00

Complete if Known			
Application Number	To Be Assigned		
Filing Date	Herewith on February 20, 2004		
First Named Inventor	Ka Lun Choi		
Examiner Name	To Be Assigned		
Art Unit	To Be Assigned		
Attorney Docket No.	1875.1060002		

METHOD OF PAYMENT (check all that apply)	FEE CALCULATION (continued)					
Check X Credit card Money X Other** None	3. ADDITIONAL FEES					
*Charge any deficiencies or credit any overpayments in		-	Small			
Deposit Account: the fees to Deposit Acci. No. 19-0036. Deposit	Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description	Fee Bald
Account 19-0036	1051	130	2051		Surcharge - late filing fee or oath	Fee Paid
Deposit	1052	50	2052	25	Surcharge - late provisional filing fee or	
Account Name Sterne Kessler, Goldstein & Fox P.L.L.C.	1053	130	1053	130	cover sheet Non-English specification	
The Director is authorized to: (check all that apply)	1812 2		1812		For filing a request for ex parte reexamination	
Charge fee(s) indicated below Credit any overpayments	1804	920*	1804	_,	Requesting publication of SIR prior to	
Charge any additional fee(s) or any underpayment of fee(s)					Examiner action	
Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.	1805 1	1,840*	1805	1,840*	Requesting publication of SIR after Examiner action	
FEE CALCULATION	1251	110	2251	55	Extension for reply within first month	
1. BASIC FILING FEE	1252	420	2252	210	Extension for reply within second month	
Large Entity Small Entity	1253	950	2253	475	Extension for reply within third month	
Fee Fee Fee Fee Fee Description Fee Paid Code (\$)	1254	1,480	2254	740	Extension for reply within fourth month	-
1001 770 2001 385 Utility filing fee	1255 2	2,010	2255	1,005	Extension for reply within fifth month	
1002 340 2002 170 Design filing fee 770 00	1401	330	2401	165	Notice of Appeal	
1003 530 2003 265 Plant filing fee	1402	330	2402	165	Filing a brief in support of an appeal	\vdash
1004 770 2004 385 Reissue filing fee	1403	290	2403	145	Request for oral hearing	
1005 160 2005 80 Provisional filing fee	1451 1	1,510		1,510	Petition to institute a public use proceeding	
SUBTOTAL (1) (\$) 770.00	1452	110	2452	55	Petition to revive - unavoidable	-
		1,330	2453	665	Petition to revive - unintentional	
2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE		1,330	2501	665		
Extra Claims below Fee Paid Total Claims 8 20 **= X =	1502	480	2502	240	· ·	
Independent 4 2 1 X 86 = 86.00	1503 1460	640 130	2503 1460	320 130		
Claims	1807	50	1807	50		
Large Entity Small Entity		180	1806	180		
Fee Fee Fee Fee Description	1806				Decording each natent assignment per	40.00
Code (\$)	8021	40	8021	40	property (times number of properties)	40.00
1201 86 2201 43 Independent claims in excess of 3	1809	770	2809	385	Filing a submission after final rejection (37 CFR 1.129(a))	<u> </u>
1203 290 2203 145 Multiple dependent claim, if not paid	1810	770	2810	385	For each additional invention to be	
1204 86 2204 43 ** Reissue independent claims	1801	770	2801	385	examined (37 CFR 1.129(b)) Request for Continued Examination (RCE)	
over original patent 1205 18 2205 9 ** Reissue claims in excess of 20	1801	900	1802	900	•	
and over original patent	""		1	230	of a design application	
SUBTOTAL (2) (\$) 86.00		fee (sp				40.00
**or number previously paid, if greater; For Reissues, see above	*Redu	ced by	Basic	Filing F	ee Paid SUBTOTAL (3) (\$)	40.00
SUBMITTED BY (Complete (if applicable))						

SUBMITTED BY

Name (Print/Type)

Jason D. Eisenberg

Registration No. (Attornev/Agent)

Alignature

(Complete (if applicable))

Telephone (202) 371-2600

Date 2 20 0 4

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Addendum

1. High-Swing Transconductance Amplifier For Charge Pump Circuit



Robert Greene Sterne Edward J. Kessler Jorge A. Goldstein David K.S. Cornwell Robert W. Esmond Tracy-Gene G. Durkin Michaele A. Cimbala Michael B. Ray Robert E. Sokohl Eric K. Steffe Michael Q. Łee Steven R. Ludwig John M. Covert Linda E. Alcorn Robert C. Millonig Lawrence B. Bugaisky Donald J. Featherstone Michael V. Messinger Judith U. Kim Timothy J. Shea, Jr. Patrick E. Garrett Heidi L. Kraus Edward W. Yee Albert L. Ferro* Donald R. Banowit Peter A. Jackman Teresa U. Medler Jeffrey S. Weaver Kendrick P. Patterson Vincent L. Capuano Eldora Ellison Floyd Thomas C. Fiala Brian J. Del Bunon Virgit Lee Beaston Kimberly N. Reddick Theodore A. Wood Elizabeth J. Haanes Joseph S. Ostroff Frank R. Cottingham Christine M. Lhulier Rae Lynn Prengaman Jane Shershenovich' George S. Bardmesser Daniel A. Klein' Jason D. Eisenberg Michael D. Specht Andrea J. Kamage Tracy L. Muller' LuAnne M. DeSantis John J. Figueroa Ann E. Summerfield Tiera S. Coston' Aric W. Ledford' Michael D. Specht Jessica L. Parezo Timothy A. Doyle* Cynthia M. Bouchez Nicole D. Dretar* Ted J. Ebersole

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Mail Stop Patent Application

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*Admitted only in Virginia
*Practice Limited to
Frederal Agencies

February 20, 2004

WRITER'S DIRECT NUMBER: (202) 772-8645 INTERNET ADDRESS: JASONE@SKGF.COM

Commissioner for Patents PO Box 1450 Alexandria, VA 22313-1450

Re:

U.S. Non-Provisional Utility Patent Application under 37 C.F.R. § 1.53(b)

Appl. No. To Be Assigned; Filed: Herewith on February 20, 2004

For: High-Swing Transconductance Amplifier For Charge Pump Circuit

Inventor:

Ka Lun Choi 1875.1060002

Our Ref:

Sir:

The following documents are forwarded herewith for appropriate action by the U.S. Patent and Trademark Office:

- 1. PTO Fee Transmittal (Form PTO/SB/17);
- 2. PTO Utility Patent Application Transmittal (Form PTO/SB/05);
- 3. U.S. Utility Patent Application entitled:

High-Swing Transconductance Amplifier For Charge Pump Circuit

and naming as inventor:

Ka Lun Choi

the application consisting of:

- a. An Application Data Sheet (37 C.F.R. § 1.76);
- b. A copy of the executed Declaration, as originally filed in U.S. Appl. No. 09/956,114;
- c. A specification containing:

Sterne, Kessler, Goldstein & Fox PLL.C.: 1100 New York Avenue, NW: Washington, DC 20005: 202.371.2600 f 202.371.2540: www.skgf.com

Commissioner for Patents February 20, 2004 Page 2

- i. 20 pages of description prior to the claims;
- ii. 4 pages of claims (8 claims, 4 independent);
- iii. a one (1) page abstract;
- d. 8 sheets of drawings: (Figures 1-8); and
- 4. Authorization to Treat a Reply As Incorporating An Extension of Time Under 37 C.F.R. § 1.136(a)(3);
- 5. Recordation Form Cover Sheet;
- 6. A copy of original executed Assignment to Broadcom Corporation, recordation of which is hereby respectfully requested;
- 7. A Preliminary Amendment;
- 8. An Information Disclosure Statement (IDS);
- 9. Form PTO-1449 (1 Page);
- 10. Two (2) return postcards; and
- 11. Form PTO-2038 Credit Card Payment Form.

It is respectfully requested that, of the two attached postcards, one be stamped with the filing date of these documents and returned to our courier, and the other, prepaid postcard, be stamped with the filing date and unofficial application number and returned as soon as possible. The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 19-0036.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.

Jason D. Eisenberg

Attorney for Applicant Registration No. 43,447

JDE/crf Enclosures

#231955.1

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Ka Lun Choi

Appl. No.: To Be Assigned

Filed: Herewith on February 20, 2004

For: High-Swing Transconductance **Amplifier For Charge Pump**

Circuit

Confirmation No.: To Be Assigned

Art Unit: To Be Assigned

Examiner: To Be Assigned

Atty. Docket: 1875.1060002

Authorization to Treat a Reply as Incorporating an Extension of Time Under 37 C.F.R. § 1.136(a)(3)

Commissioner for Patents PO Box 1450 Alexandria, VA 22313-1450

Sir:

The U.S. Patent and Trademark Office is hereby authorized to treat any concurrent or future reply that requires a petition for an extension of time under this paragraph for its timely submission, as incorporating a petition for extension of time for the appropriate length of time. The U.S. Patent and Trademark Office is hereby authorized to charge all required extension of time fees to our Deposit Account No. 19-0036, if such fees are not otherwise provided for in such reply.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.

Jason D. Eisenberg Attorney for Applicant Registration No. 43,447

Date: February 20, 2004

1100 New York Avenue, N.W. Washington, D.C. 20005-3934 (202) 371-2600 #231971.1